

Claims

1. A compressor having an oil supply area, a lubrication target area to be lubricated, and a lubricating oil transport area for intermittently transporting lubricating oil to said lubrication target area by alternately communicating with said oil supply area and said lubrication target area.
2. The compressor according to claim 1, further defined in being a reciprocating compressor, wherein said lubricating oil is a lubricating oil that has been separated from a discharged refrigerant by an oil separator, and is guided to the lubrication target area due to a pressure difference between a discharge side and a suction side of the compressor.
3. The compressor according to claim 2, wherein said refrigerant is carbon dioxide.
4. The compressor according to claim 1, wherein said lubricating oil transport area comprises a groove defined on an external surface of a rotating member, and alternately communicates with an outlet of said oil supply area and an inlet of a discharge hole connected to said lubricating oil transport area due to rotational movement of said rotating member.
5. The compressor according to claim 4, wherein said rotating member is positioned adjacent to a bearing that rotatably supports a drive shaft and is provided to rotate together with said drive shaft, and additionally, the lubricating oil supplied from said oil

supply area is supplied to said bearing via a gap between said rotating member and a circular hole that supports said rotating member.

6. The compressor according to claim 1, wherein said lubricating oil transport area comprises a groove defined on an external surface of a piston that reciprocates inside a cylinder bore, and alternately communicates with an outlet of said oil supply area and said lubrication target area due to reciprocating movement of said piston.

7. A method for lubricating a compressor having a lubricating oil supply area, a lubrication target area to be lubricated, and a lubricating oil transport area, wherein the lubricating oil in said oil supply area is intermittently transported to said lubricating oil transport area by having said lubricating oil transport area alternately communicate with said oil supply area and said lubrication target area.